**Copado Deployer v23.0 Release Notes**

Copado Deployer v23 brings some updates such as the enhancement on Git repository authentication for Salesforce Metadata Pipelines and Salesforce Source Format Pipelines, as well as new environment variable expressions for Salesforce Source Format Pipelines.

**1. Enhanced Git Repository Authentication**

* **Salesforce Metadata Pipelines & Salesforce Source Format Pipelines**:
  + Copado has introduced a new feature that simplifies GitHub and GitLab cloud repository authentication. Users can now log into their Git accounts directly from Copado, streamlining the setup process.

**2. Environment Variable Expressions**

* **Salesforce Source Format Pipelines**:
  + New dynamic expressions allow functions to fetch the correct environment variable value based on the execution context. These include:
    - {$Source.EnvVar.MyVar}: References the environment variable from the source environment.
    - {$Destination.EnvVar.MyVar}: References the environment variable from the destination environment.
    - {$Context.EnvVar.MyVar}: Context-based variable referencing during user story commits, promotions, and deployments.

**3. New Platform Field in Data Set**

* A new picklist field, **Platform (Platform\_\_c)**, has been added to the Data Set object, with initial values for Salesforce, SFDX, and Others. This field is used internally to identify the platform associated with a Data Set.
* The **Enable Copado Dx** and **Copado Dx Mode** fields have been removed from the Pipeline record page. Users with cloned Pipeline pages will need to manually remove these fields from the Details tab.

**4. Migrated Flows**

* Several workflow rules have been migrated to flows, including:
  + Deployment Time
  + Deployment Completed
  + Mark Early Job Completion as Failed/Success
  + Set User Story Commit Name

**5. Bug Fixes**

* **Deploy Changes Button**: Resolved intermittent issues with the button on the Promotion page.
* **Persona Management**: New users can be added successfully to a persona, assuming sufficient licenses are available.
* **Promotion Deployment**: Quality gates now correctly run tests in the destination environment.
* **Environment Variable Scope**: Fixed the issue where adding a scope led to an Apex CPU timeout error.